
 <p><b>MAHATRANSCO</b> Maharashtra State Electricity Transmission Co. Ltd.</p>	<p align="center"><b>MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.</b>  <b>Government of Maharashtra (Undertaking)</b>  <b>(CIN: U40109MH2005SGC153646)</b>  <b>OFFICE OF THE EXECUTIVE ENGINEER</b>  <b>EHV O&amp;M DIVISION, MANCHAR</b>  DSK's Pride , Survey No-170/7B, Pune-Nashik Highway,  In front of Rural Health Centre, Manchar , Tq- Ambegaon Dist: Pune-410503  E-mail:<a href="mailto:ee61A0@mahatransco.in">ee61A0@mahatransco.in</a>, <a href="mailto:eemanchar404@gmail.com">eemanchar404@gmail.com</a>  Ph- 02133-223040/41</p>	
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**EE/EHV/O&M/Division/Manchar/Tech/ 0953**

**Date: 26/10/2023.**

This office intends to procure **6.45 KVAR, 132 KV SERIES REACTORS** at 220kV Ranjangaon Sub-Station under EHV O&M Division Manchar EHV O&M Division Manchar.

Sr. No.	Particulars	Unit	Applicable GST%	Ex-Rate/Unit (Rs.)
1	Supply of series reactor for 30MVA capacitor bank. <b>Required specifications of series reactor: As per Annexure 'A' enclosed.</b>			

All interested bidders are requested to submit their best offer for above said work on **E mail id: ee61A0@mahatransco.in** along with applicable rate of GST for above work on or **before 03/11/2023 by 15:00 hrs.**

This budgetary offer is invited only for estimation purpose and same will not be considered for any bidding or other activity.

Sd/-  
(S. R Wagh)  
**Executive Engineer**  
**EHV O&M Division Manchar**

**Annexure-A**

**GUARANTEED TECHNICAL PARTICULARS**

**FOR 6.45 KVAR, 132 KV SERIES REACTORS**

<b>Sr.No</b>	<b>DESCRIPTION</b>	<b>PARTICULARS</b>
01.	Type	Aluminium wound, Air Core, Dry Type, Neutral side, Outdoor Series Reactor.
02.	Reference Standard	IS : 5553 Part-III/1990
03.	Rated voltage, KV	132
04.	Rated current, Amp	74.55
05.	No. of Phases	Single
06.	Rated Capacity / Inductance	12.913KVA <sub>r</sub>
07.	Rated Frequency, Hz	50
08.	Compensation % of series reactor	0.2%
09.	Rated Short time current & Duration	16.6 times of 130% rated current for 2 sec
10.	Basic Insulation Level	
	a) Power Frequency withstand Voltage, KV rms	70 for Winding 275 for Insulator
	b) Lightning Impulse withstand Voltage, KV peak	170 for Winding 650 for Insulator
11.	Impedance at rated output, rated MVA <sub>r</sub>	2.323 Ohm
12.	a) Type of cooling	Air Cooled
	b) Quality of Oil, If Oil Cooled	N.A
13.	Description of Winding insulation	Class F
14.	Material of Winding	Aluminium
15.	Maximum Temperature Rise	90° C
16.	Terminal arrangement	Aluminium Bus Bar
17	Testing	All routine tests except Induced over voltage Test/Impulse test

**Sd/-**  
(S. R Wagh)  
**Executive Engineer**  
**EHV O&M Division Manchar**